# **SQL NULL Values**

**SQL NULL Values:**

1. A field with a NULL value is a field with no value.
2. If a field in a table is optional, it is possible to insert a new record or update a record without adding a value to this field. Then, the field will be saved with a NULL value.

**How to Test for NULL Values?:**

1. It is not possible to test for NULL values with comparison operators, such as =, <, or <>.
2. We will have to use the IS NULL and IS NOT NULL operators instead.
3. IS NULL Syntax:

|  |
| --- |
| SELECT column\_names  FROM table\_name  WHERE column\_name IS NULL; |

1. IS NOT NULL Syntax:

|  |
| --- |
| SELECT column\_names  FROM table\_name  WHERE column\_name IS NOT NULL; |

**The IS NULL Operator:**

1. The IS NULL operator is used to test for empty values (NULL values).
2. The following SQL lists all customers with a NULL value in the "Address" field:

|  |
| --- |
| SELECT CustomerName, ContactName, Address  FROM Customers  WHERE Address IS NULL; |

|  |  |  |
| --- | --- | --- |
| **CustomerName** | **ContactName** | **Address** |

**The IS NOT NULL Operator:**

1. The IS NOT NULL operator is used to test for non-empty values (NOT NULL values).
2. The following SQL lists all customers with a value in the "Address" field:

|  |
| --- |
| SELECT CustomerName, ContactName, Address  FROM Customers  WHERE Address IS NOT NULL; |

|  |  |  |
| --- | --- | --- |
| **CustomerName** | **ContactName** | **Address** |
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